

Title (en)  
ANTI-TORQUE SYSTEM FOR A HELICOPTER AND METHOD FOR CONTROLLING AN ANTI-TORQUE SYSTEM FOR A HELICOPTER

Title (de)  
ANTI-DREHMOMENTSYSTEM FÜR EINEN HUBSCHRAUBER UND VERFAHREN ZUR STEUERUNG EINES ANTI-DREHMOMENTSYSTEMS FÜR EINEN HUBSCHRAUBER

Title (fr)  
SYSTÈME ANTICOUPLÉ POUR HÉLICOPTÈRE ET PROCÉDÉ POUR COMMANDER UN SYSTÈME ANTICOUPLÉ POUR HÉLICOPTÈRE

Publication  
**EP 3501983 B1 20200205 (EN)**

Application  
**EP 17210094 A 20171222**

Priority  
EP 17210094 A 20171222

Abstract (en)  
[origin: EP3501983A1] An anti-torque system (10) for a helicopter (1) is described that comprises: an electric power supply unit (15); at least one first rotor (17), operatively connected to an electric power supply unit (15) and operable by the electric power supply unit (15) so as to rotate with a first variable angular speed; and at least one second rotor (25) operatively connected to electric power supply unit (15) and operable by the electric power supply unit (15) so as to rotate with a second variable angular speed.

IPC 8 full level  
**B64C 27/82** (2006.01); **B64C 27/12** (2006.01); **B64D 27/24** (2006.01)

CPC (source: EP KR RU US)  
**B64C 27/08** (2013.01 - EP RU US); **B64C 27/12** (2013.01 - EP KR); **B64C 27/14** (2013.01 - US); **B64C 27/82** (2013.01 - EP KR RU US); **B64D 27/026** (2024.01 - EP KR); **B64D 27/24** (2013.01 - EP KR); **B64C 2027/8209** (2013.01 - EP KR); **B64C 2027/8227** (2013.01 - EP KR US); **B64C 2027/8254** (2013.01 - EP KR US); **B64D 27/026** (2024.01 - US); **Y02T 50/40** (2013.01 - EP KR); **Y02T 50/60** (2013.01 - EP KR)

Citation (opposition)  
Opponent : Bell Textron Inc.  
• EP 3254962 A1 20171213 - BELL HELICOPTER TEXTRON INC [US]  
• US 2017349274 A1 20171207 - FENNY CARLOS [US], et al  
• US 2017349276 A1 20171207 - FENNY CARLOS [US]  
• US 2017349273 A1 20171207 - PARSONS THOMAS DEWEY [US], et al  
• US 2009140095 A1 20090604 - SIROHI JAYANT [US], et al  
• DE 102010021026 A1 20111124 - EADS DEUTSCHLAND GMBH [DE]  
• CN 107399431 A 20171128 - UNIV HEFEI TECHNOLOGY  
• JP 2009090755 A 20090430 - MITSUBISHI HEAVY IND LTD  
• COPTAIRE: "3D printed Propeller Shroud Kit", DIY DRONES, 7 April 2012 (2012-04-07), XP055750709, Retrieved from the Internet <URL:https://diydrones.com/profiles/blogs/3d-printed-propeller-shroud-kit>

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CN113928554A; US2020156777A1; US10814970B2; US11479349B2; US11760472B2; US11685524B2; US11720123B2; US11772785B2; US11866162B2; US11332240B2; US11718390B2; EP3527492B1; EP3925887B1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3501983 A1 20190626; EP 3501983 B1 20200205**; CN 111491859 A 20200804; CN 111491859 B 20230602; EP 3728027 A1 20201028; EP 3728027 B1 20220928; JP 2020185988 A 20201119; JP 2021505473 A 20210218; JP 6803490 B2 20201223; JP 6844069 B2 20210317; KR 20200122293 A 20201027; RU 2020118899 A 20220125; RU 2020118899 A3 20220128; RU 2766641 C2 20220315; US 11780575 B2 20231010; US 2020385112 A1 20201210; WO 2019123419 A1 20190627

DOCDB simple family (application)  
**EP 17210094 A 20171222**; CN 201880079819 A 20181221; EP 18839728 A 20181221; IB 2018060525 W 20181221; JP 2020100973 A 20200610; JP 2020531720 A 20181221; KR 20207017060 A 20181221; RU 2020118899 A 20181221; US 201816765318 A 20181221